(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 15 January 2004 (15.01.2004)

PCT

(10) International Publication Number WO 2004/006468 A1

(51) International Patent Classification⁷: H04Q 7/32

H04B 7/26,

(21) International Application Number:

PCT/IB2003/003006

(22) International Filing Date: 27 June 2003 (27.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0215622.2

5 July 2002 (05.07.2002) GB

- (71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): RASANEN, Asko [FI/FI]; Maahiskuja 4 C 6, FIN-04230 Kervava (FI).
- (74) Agents: DERRY, Paul et al.; Venner, Shipley & Co., 20 Little Britain, London EC1A 7DH (GB).

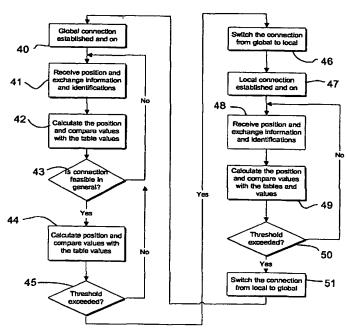
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF AND APPARATUS FOR COMMUNICATING



(57) Abstract: A system for effecting communication between first and second radio transceivers, comprises a communicator for effecting communication between the first and second radio transceivers over a first channel; a determiner for determining the distance between the transceivers, and for determining if the distance falls below a predetermined threshold; and a channel charger responsive to a positive determination, for effecting direct mode communication between the transceivers over a second channel.

